We claim:

- An apparatus for automated testing, calibration and characterization of test adapters for semiconductor devices, comprising:
- a holder for holding a test adapter;
- at least one probe head adjustably disposed relative to said holder, said probe head having at least two contact pins with an adjustable spacing distance therebetween; and
- an adjustment device configured to adjust said probe head relative to said holder.
- The apparatus according to claim 1, wherein said at least one probe head is one of a plurality of probe heads.
- 3. The apparatus according to claim 1, wherein said probe head is movably disposed in elevation perpendicularly to a surface of said holder.
- 4. The apparatus according to claim 1, wherein said adjustment device is a robot arm and said probe head is mounted on said robot arm.

- 5. The apparatus according to claim 1, which comprises a control device connected to control a position of said probe head and a rotation of said holder.
- The apparatus according to claim 1, wherein said holder is configured to hold test adapters with different diameters.
- The apparatus according to claim 1, which comprises a stepping motor disposed to selectively move said holder.
- 8. The apparatus according to claim 1, which comprises a control device connected for controlling a distance between said contact pins.
- 9. The apparatus according to claim 7, which comprises a control device connected to said stepping motor and wherein said stepping motor is controlled by said control device.
- 10. The apparatus according to claim 1, wherein the test adapter is a test card.
- 11. The apparatus according to claim 1, wherein the test adapter is formed with a number of contact surfaces one behind the other in a radial direction of the test adapter, and said probe head has a number of said contact pins corresponding to the number of contact surfaces on the test adapter.

- 12. The apparatus according to claim 1, wherein said contact pins are formed with pointed ends.
- 13. The apparatus according to claim 1, wherein said contact pins are formed with flat ends, configured to enable contact to be made with contact needles on the test adapter.
- 14. The apparatus according to claim 1, wherein said contact pins are spring-biased contact pins.
- 15. The apparatus according to claim 14, wherein said contact pins have a profile defining the spring-biased configuration thereof..
- 16. The apparatus according to claim 14, wherein said contact pins have a separate spring.
- 17. The apparatus according to claim 1, wherein said holder is configured to be rotatable or movable with respect to said adjustment device.
- 18. The apparatus according to claim 1, wherein said probe head is adjustable within a coordinate system selected from the group consisting of a polar coordinate system and a cartesian coordinate system.

19. The apparatus according to claim 1, which comprises an interface board and contact pins configured to contact contact surfaces on the test adapter.